



CERTIFICATE UNDER 37 CFR 3.73(b)

Applicant: Thomas C. Prentice et al.

Application No.: 09/928,112 Filed: August 10, 2001

Confirmation No.: 7441

Entitled: APPARATUS FOR CALIBRATING A DISPENSING SYSTEM

Speedline Technologies, Inc. a Delaware corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is the assignee of the entire right, in the patent application identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 012796, Frame 0563, or for which a copy thereof is attached

OR

B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at

Reel _____ Frame _____, _____ or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at

Reel _____ Frame _____, _____ or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at

Reel _____ Frame _____, _____ or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned is authorized to act on behalf of the assignee.

19 April 2004

Date

Keith F. Noe

Signature

Keith F. Noe, 34,686

Typed or Printed Name, Reg. No.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**REVOCATION OF PRIOR POWERS OF ATTORNEY
and
NEW POWERS OF ATTORNEY**

The undersigned, SPEEDLINE TECHNOLOGIES, INC., assignee of the entire right, title and interest for all of the patents and patent applications identified in the attached Schedule A, hereby revokes all previous powers of attorney or authorizations of agent given in the identified patents and patent applications and in any divisional, continuing, substitute, renewal or reissue applications thereof, and appoints all practitioners of Lowrie, Lando & Anastasi, LLP associated with Customer Number:

37462

as assignee's attorneys or agents with full power of substitution to take any and all action necessary with regard to the identified patents and patent applications, and with regard to any divisional, continuing, substitute, renewal or reissue applications thereof.

Please address all telephone calls to Keith F. Noe at telephone no. (617) 395-7039.

Please forward all correspondence to the correspondence address associated with Customer Number:

37462

SPEEDLINE TECHNOLOGIES, INC.

Dated: 2/1/04

By: John C. Ufford

Name: John C. Ufford

Title: Vice President of Product Management and
Engineering

ASSIGNEE CERTIFICATION

Attached to this power is a Certificate Under 37 CFR 3.73(b).

Dated: 19 April 2004

Keith F. Noe
Keith F. Noe, Esq. (Reg. No. 34,686)
LOWRIE, LANDO & ANASTASI, LLP
Riverfront Office Park
One Main Street
Cambridge, MA 02142
Tel.: (617) 395-7039
Fax: (617) 395-7070

SCHEDULE A

**SPEEDLINE TECHNOLOGIES, INC.
PENDING U.S. PATENT APPLICATIONS**

Attorney Docket No.	Serial No.	Filing Date	Title
17549-105	09/974,022	10/10/2001	NEEDLE CLEANING SYSTEM
17549-109	09/928,112	08/10/2001	METHOD AND APPARATUS FOR CONTROLLING A DISPENSING SYSTEM
17549-110	09/844,491	04/27/2001	HEATER IN A CONVEYOR SYSTEM
17549-119	10/076,037	02/14/2002	LIQUID DISPENSING SYSTEM WITH IMPROVED SEALING AUGERING SCREW AND METHOD FOR DISPENSING
17549-123	10/156,715	05/28/2002	DISPENSING SYSTEM AND METHOD
17549-124	10/196,571	07/16/2002	DISPENSING SYSTEM AND METHOD
17549-127	10/428,250	05/02/2003	ADJUSTABLE NEEDLE FOOT FOR DISPENSING SYSTEM
17549-131	10/233,746	09/03/2002	CONVEYORIZED VACUUM INJECTION SYSTEM
17549-138	10/661,830	09/12/2003	DISPENSING SYSTEM WITH MULTIPLE PARTIALLY INDEPENDENT HEADS
17549-139	10/688,756	10/17/2003	DISPENSING SYSTEM AND METHOD
17549-140	10/703,201	11/06/2003	CONVEYORIZED VACUUM INJECTION SYSTEM
17549-141	10/740,709	12/18/2003	SYSTEM AND METHOD FOR CONTROLLING A CONVEYOR SYSTEM CONFIGURATION TO ACCOMMODATE DIFFERENT SIZE SUBSTRATES
17549-142	10/766,285	01/27/2004	DISPENSING SYSTEM AND METHOD
17555-070	09/304,699	05/04/1999	METHOD AND APPARATUS FOR INSPECTING SOLDER PASTE DEPOSITS ON SUBSTRATES
17555-099	09/706,966	11/06/2000	SOLDER PRINTERS
17555-111	10/175,131	06/19/2002	METHOD AND APPARATUS FOR SUPPORTING A SUBSTRATE
17555-113	10/236,108	09/06/2002	METHOD AND APPARATUS FOR RELEASING MATERIALS FROM STENCILS
17555-114	10/734,395	12/12/2003	SYSTEMS AND METHODS FOR DETECTING DEFECTS IN PRINTED SOLDER PASTE
17555-116	10/402,418	03/28/2003	PRESSURE CONTROL SYSTEM FOR PRINTING A VISCOUS MATERIAL
17555-123	10/448,761	05/30/2003	STENCIL CLEANER FOR USE IN THE SOLDER PASTE PRINT OPERATION
17555-125	10/346,803	01/17/2003	ELECTRONIC SUBSTRATE PRINTING

SCHEDULE A (continued)

**SPEEDLINE TECHNOLOGIES, INC.
PENDING U.S. PATENT APPLICATIONS**

17555-127	10/394,814	03/21/2003	METHOD AND APPARATUS FOR SUPPORTING A SUBSTRATE
17644-182	10/247,402	09/19/2002	REFLOW SOLDERING APPARATUS AND METHOD FOR SELECTIVE INFRARED HEATING
17644-186	10/051,408	01/18/2002	FLUX COLLECTION METHOD AND SYSTEM
17644-188	10/051,213	01/18/2002	COMPACT CONVECTION DRYING CHAMBER FOR DRYING PRINTED CIRCUIT BOARDS AND OTHER ELECTRONIC ASSEMBLIES BY ENHANCED EVAPORATION
17644-190	10/125,100	04/17/2002	FILTRATION OF FLUX CONTAMINANTS
17644-192	10/190,900	07/08/2002	CLOSED LOOP SOLDER WAVE HEIGHT CONTROL SYSTEM
17644-193	10/436,369	05/12/2003	DROSS REMOVAL AND SOLDIER RECLAMATION IMPROVEMENTS
17644-194	10/260,944	09/30/2002	SELECTIVE GAS KNIFE FOR WAVE SOLDERING
17644-195	10/260,980	09/30/2002	SELECTIVE WAVE SOLDER SYSTEM
17644-197	10/445,787	05/27/2003	DROSS REMOVAL AND SOLDER RECLAMATION IMPROVEMENTS
17644-198	10/747,801	12/29/2003	FLUX COLLECTION METHOD AND SYSTEM
17847-062	10/452,825	06/02/2003	HIGH SPEED ELECTRONIC ASSEMBLY SYSTEM AND METHOD